

IGS Workshop 2006, Darmstadt, Germany

Crustal Movement Observation Network of China and its Phase II Project

Wei jun Gan Jianzhong Sun Hanrong Sun

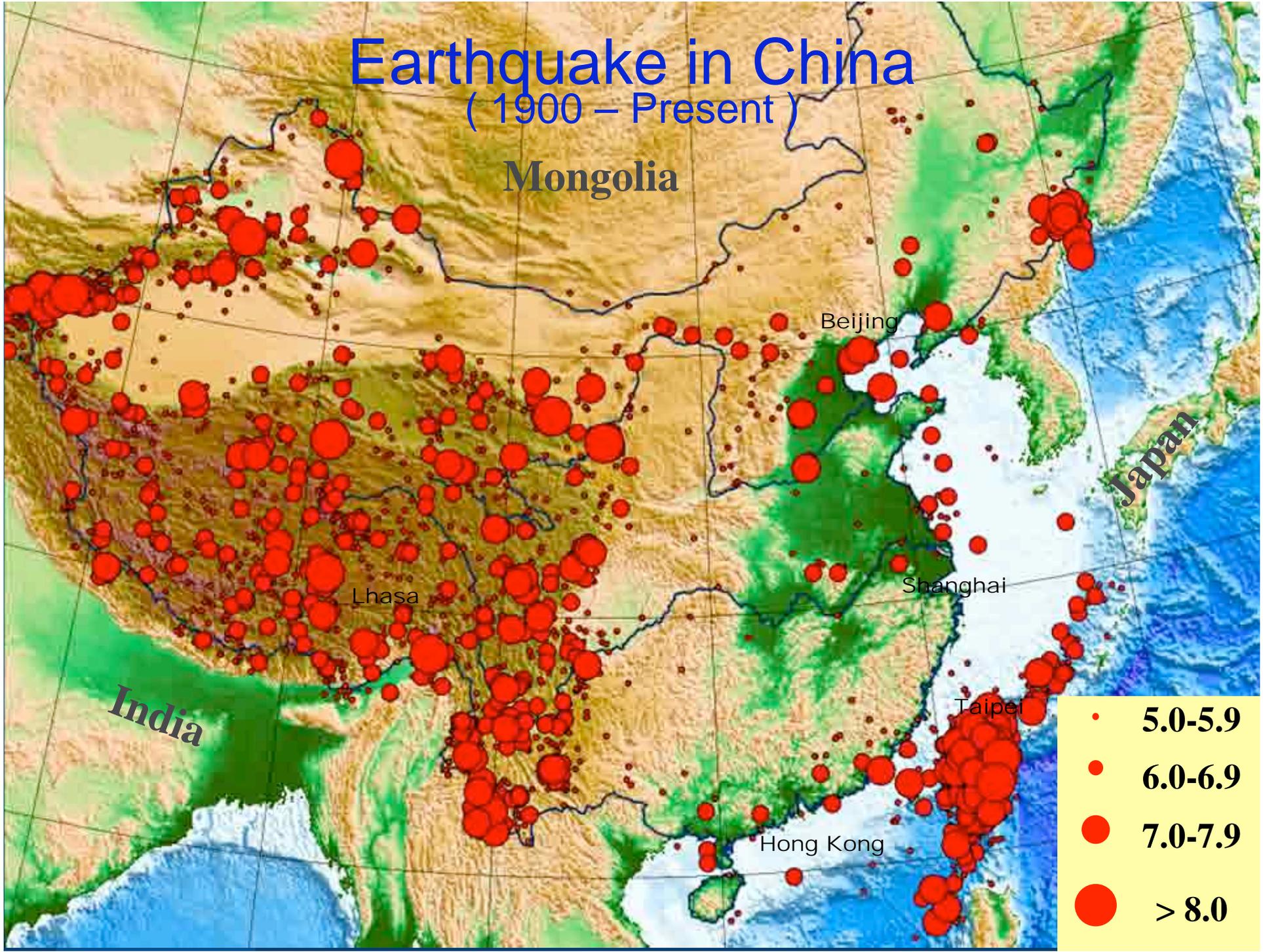
*National Earthquake Infrastructure Service
China Earthquake Administration*

May. 2006

Topics

- **Status of CMONOC**
- **Results from CMONOC**
- **Phase II Project of CMONOC**
- **Issues of Monument Establishment**

Earthquake in China (1900 – Present)



Mongolia

Beijing

Japan

Lhasa

Shanghai

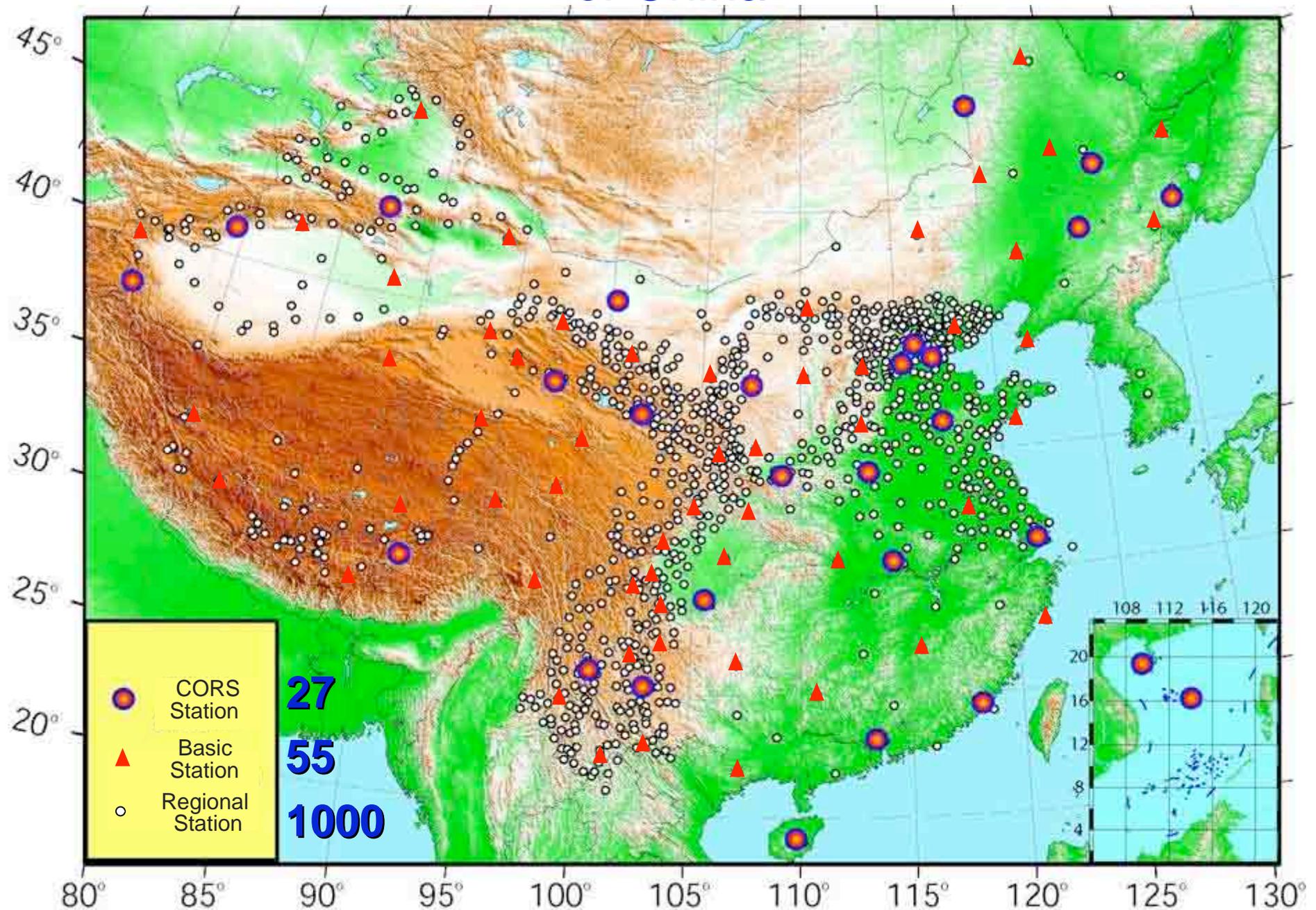
India

Taipei

Hong Kong

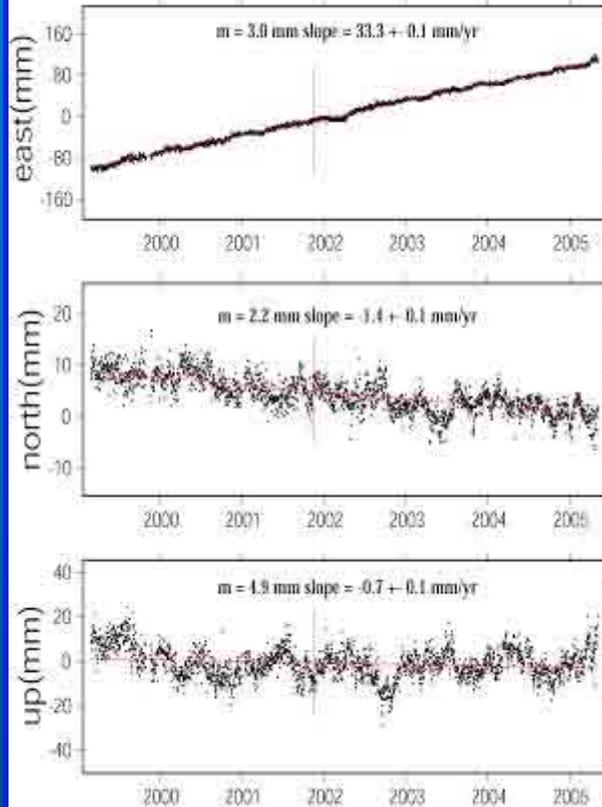
- 5.0-5.9
- 6.0-6.9
- 7.0-7.9
- > 8.0

Crustal Movement Observation Network of China

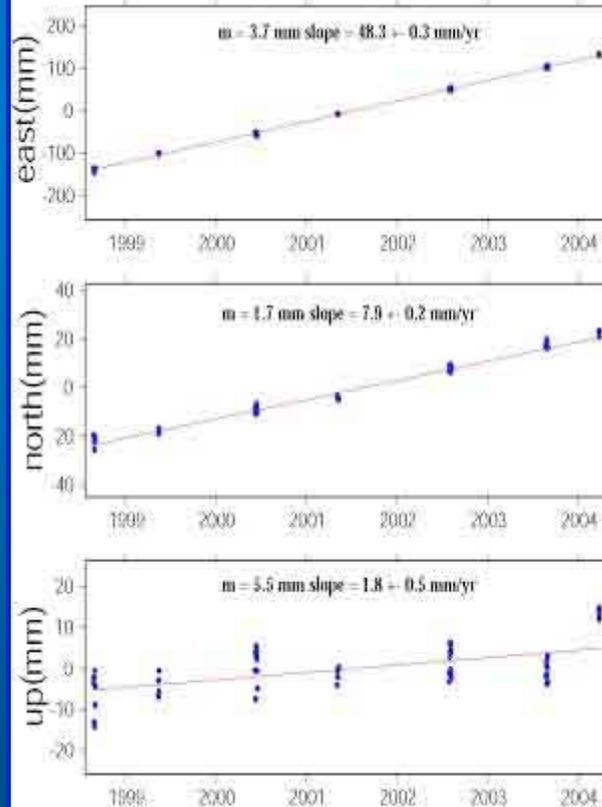


Time Series

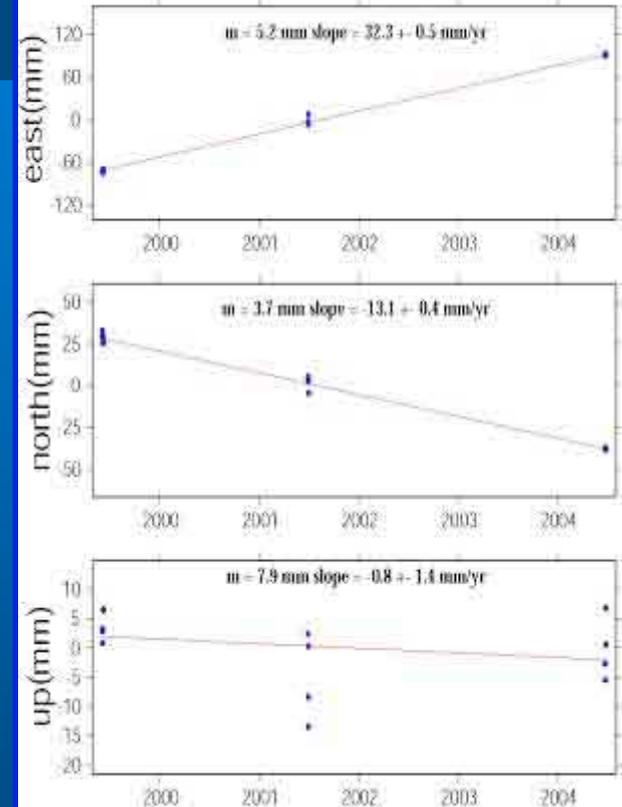
CORS Station



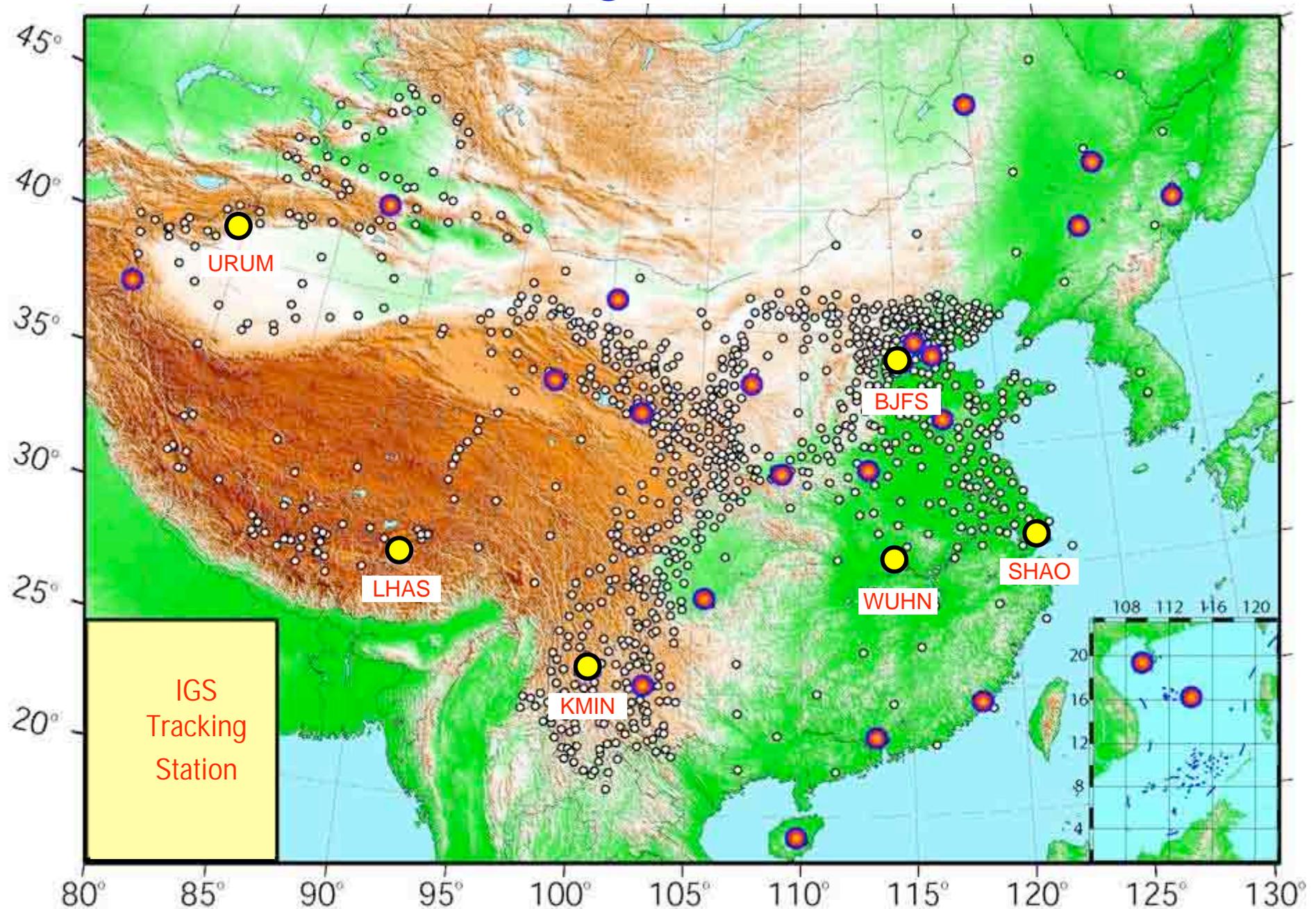
Basic Station



Regional Station



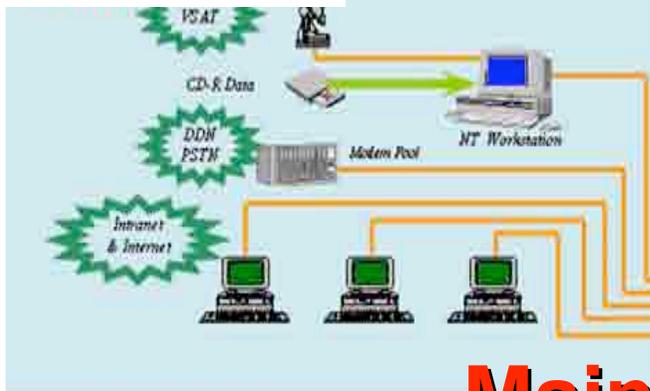
IGS Tracking Stations in China





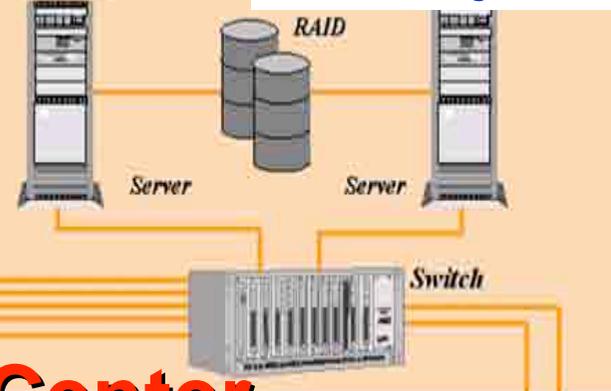
Data Center of CMONOC

Data Collection



数据管理

Data Management



Main Center

台网监控

Station Monitoring



数据处理

Data Processing



Information Release

科研平台

Scientific Research Platform



Sub Centers



Crustal Deformation



Surveying & Mapping



GNSS Meteorology

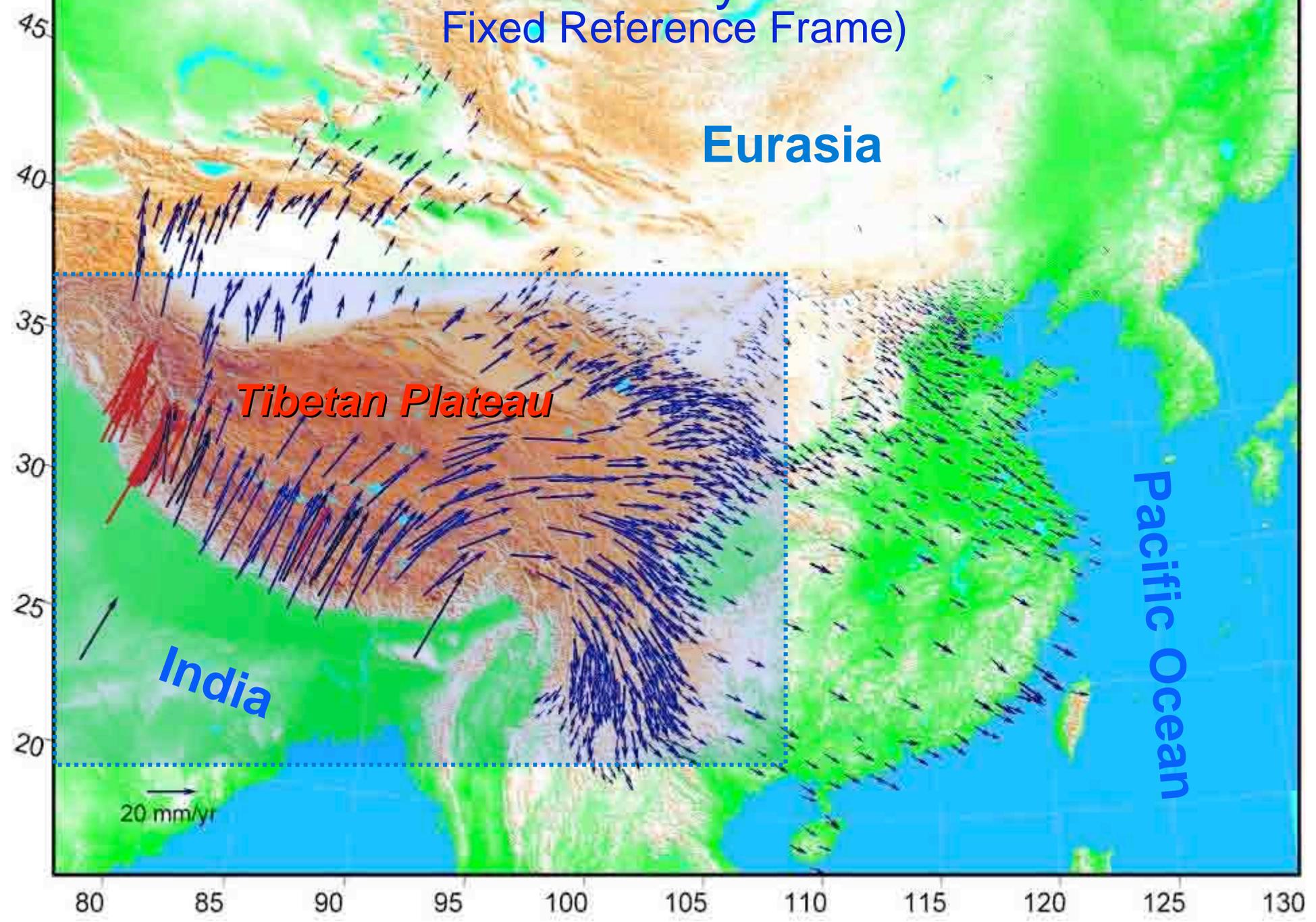


Space Weather Research

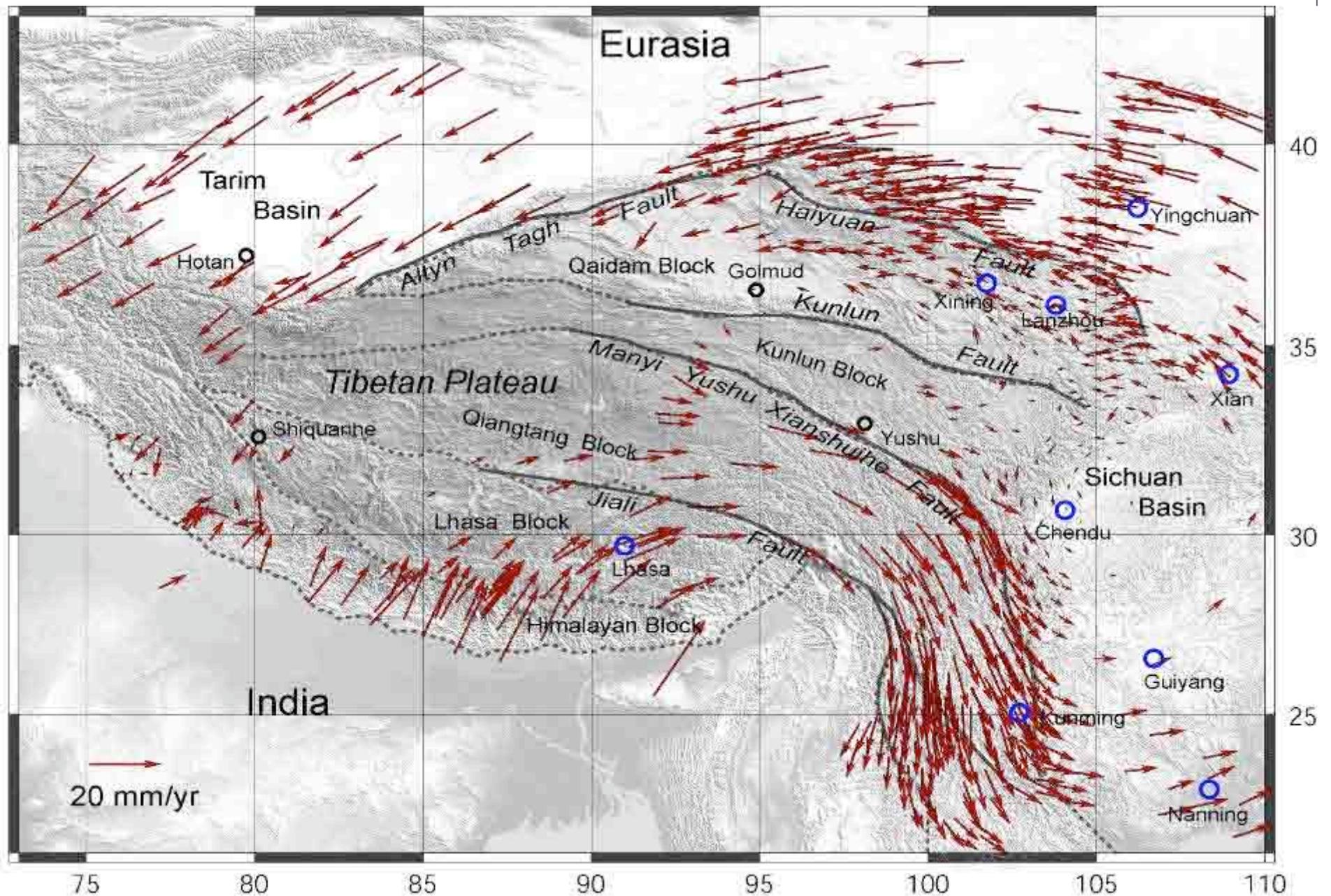


Education

Crustal Movement Velocity Field of China (Eurasia Fixed Reference Frame)



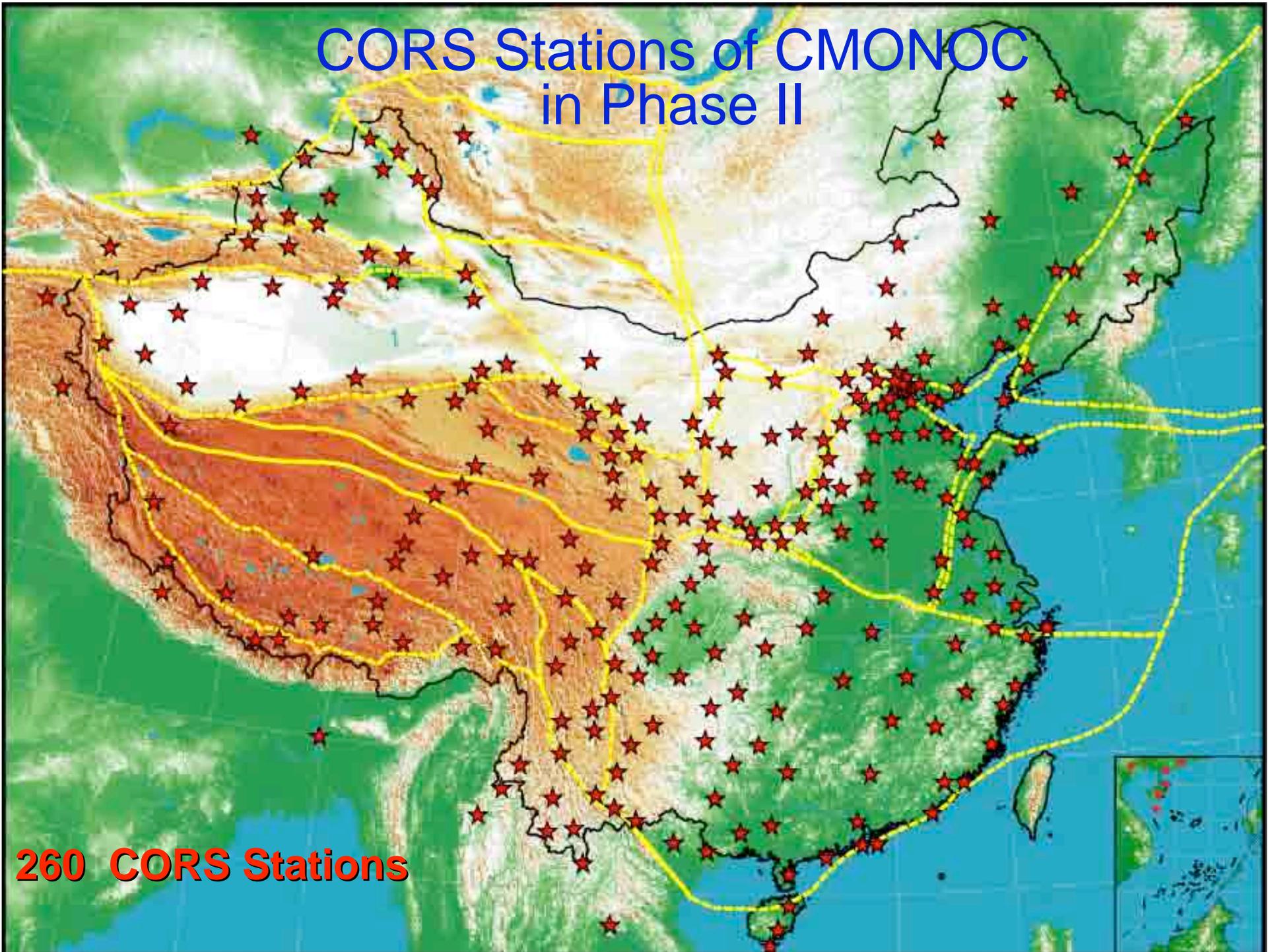
Crustal Deformation Around the Tibetan Plateau (Tibetan Plateau Fixed Reference Frame)



Topics

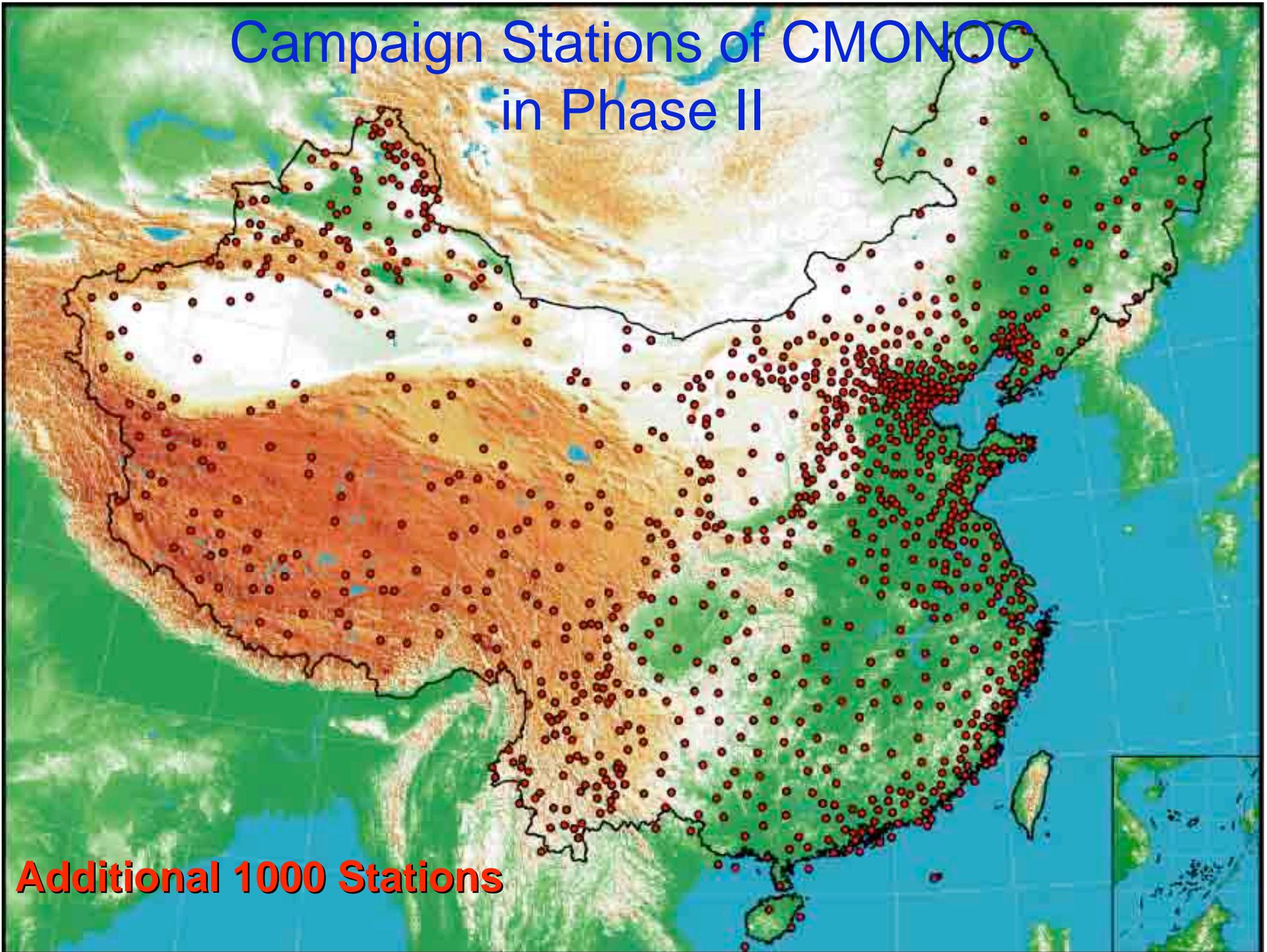
- Status of CMONOC
- Results from CMONOC
- Phase II Project of CMONOC
- Issues of Monument Establishment

CORS Stations of CMONOC in Phase II



260 CORS Stations

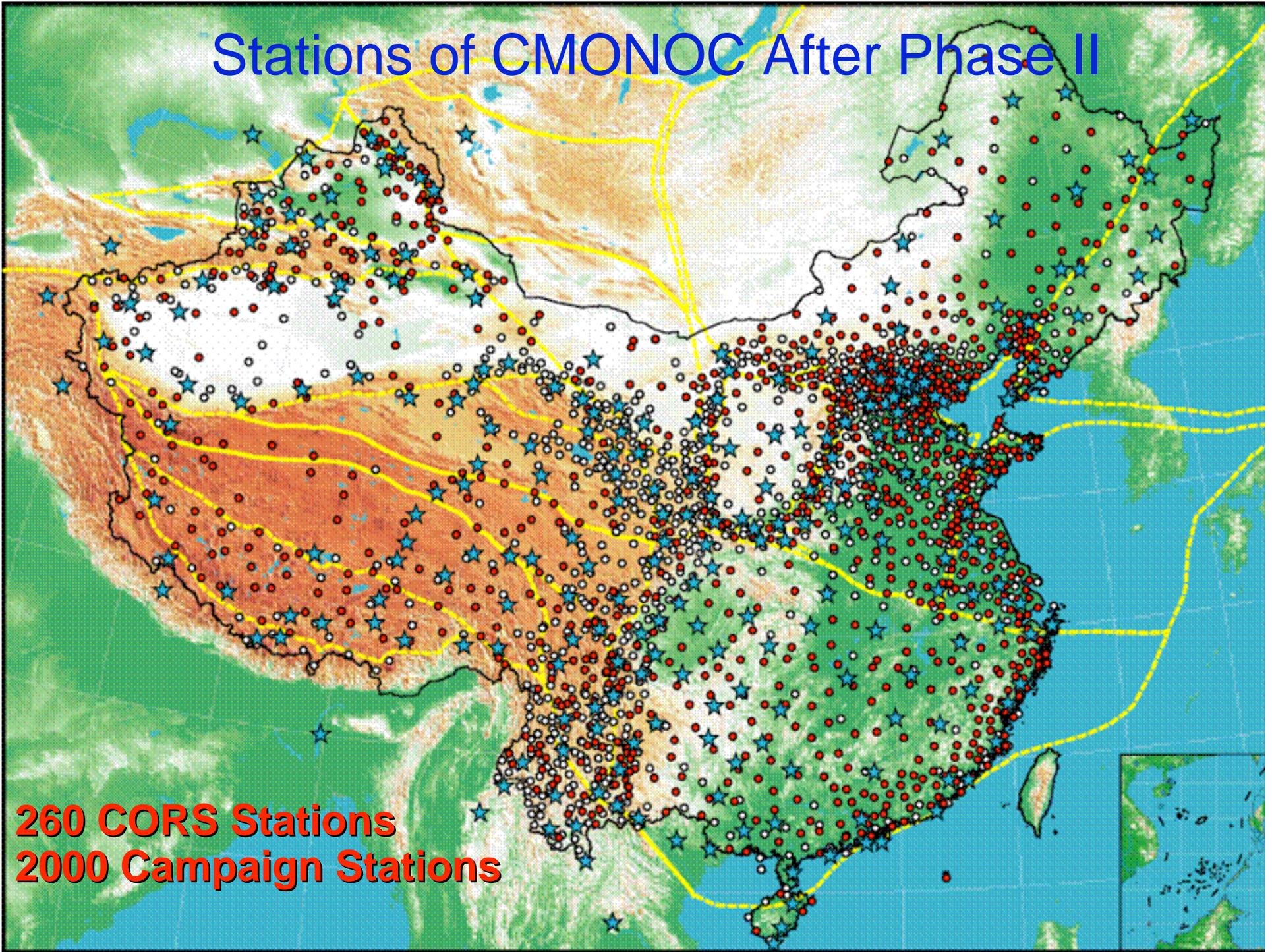
Campaign Stations of CMONOC in Phase II



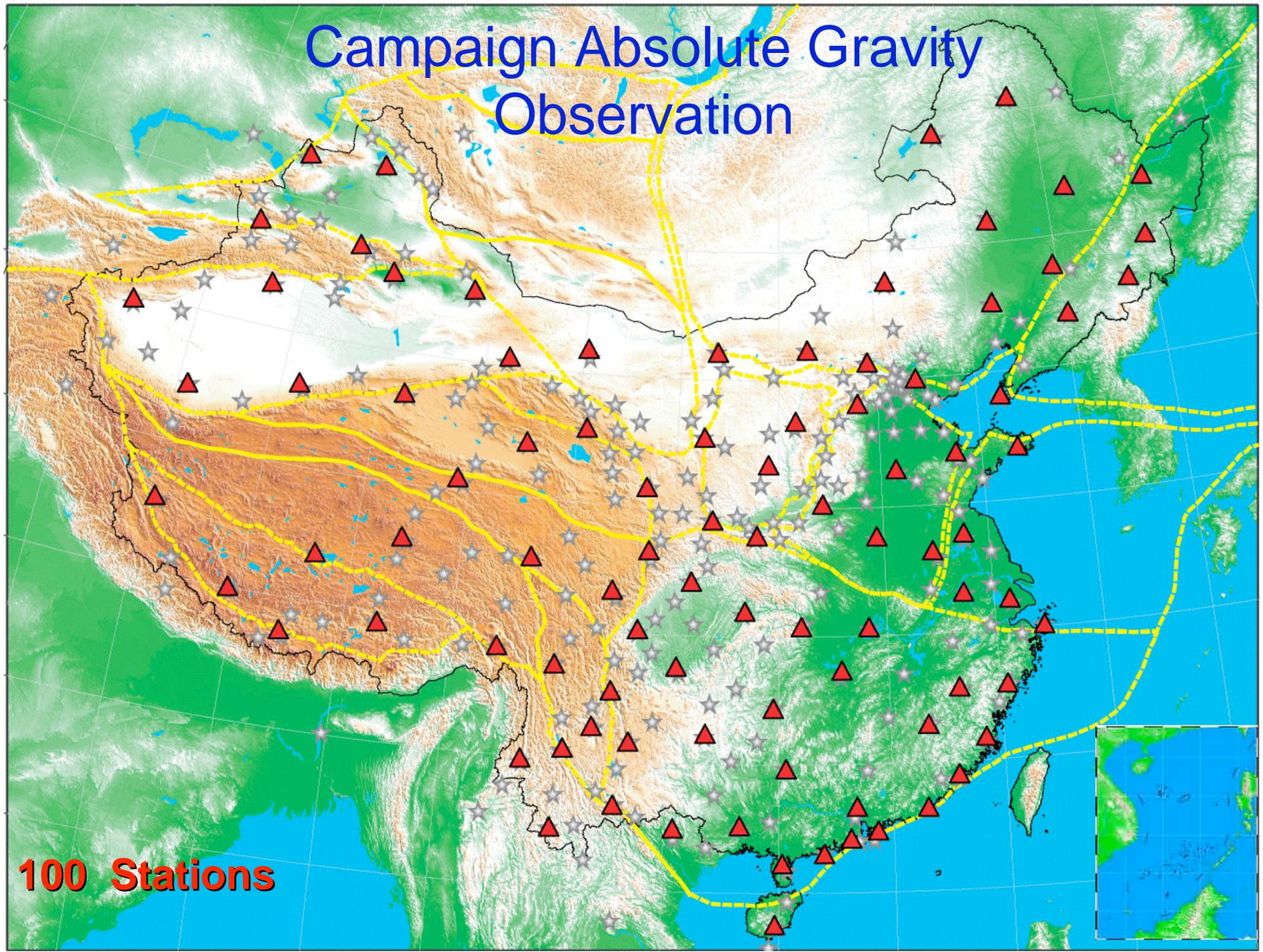
Additional 1000 Stations

Stations of CMONOC After Phase II

260 CORS Stations
2000 Campaign Stations

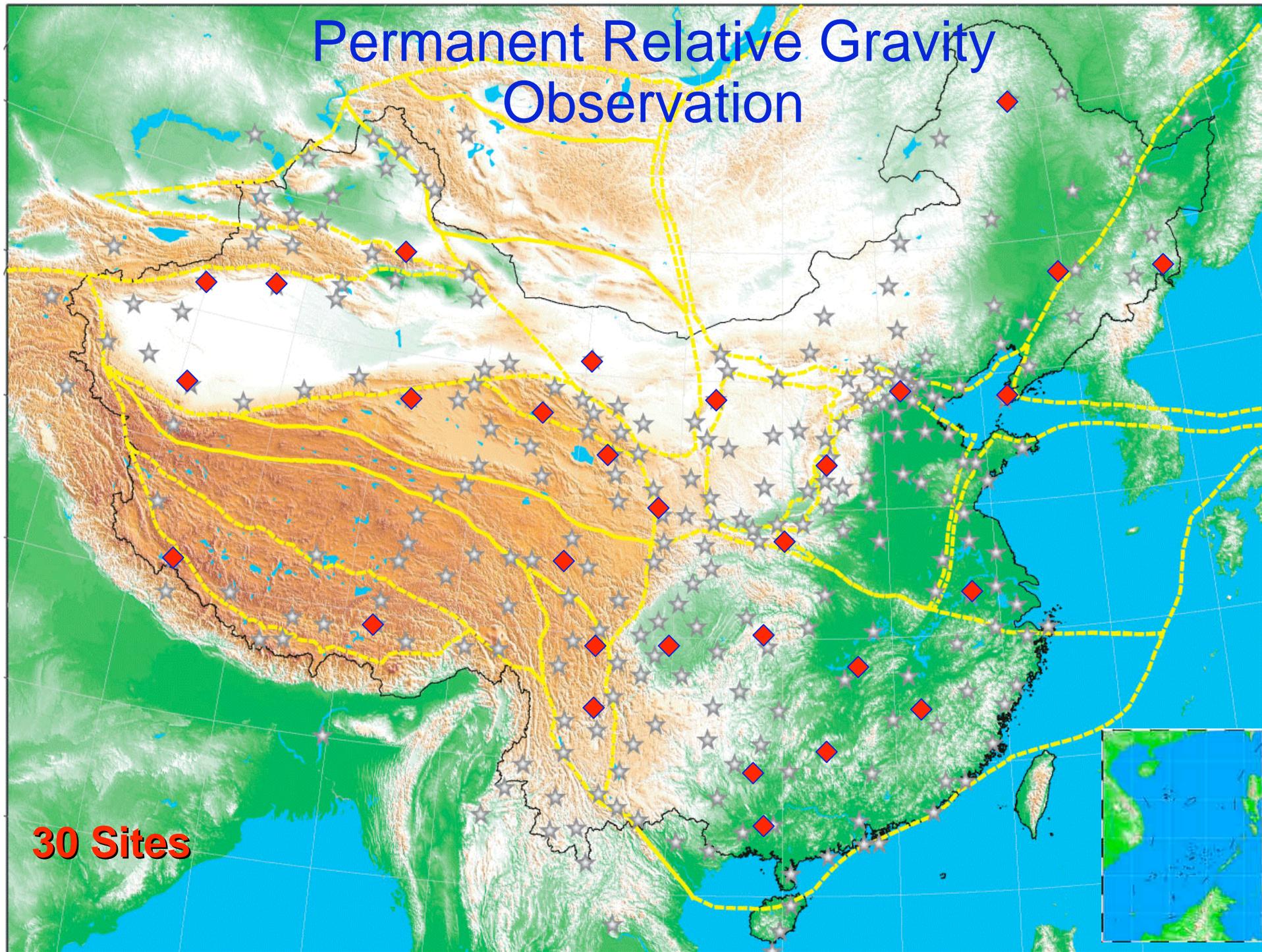


Campaign Absolute Gravity Observation



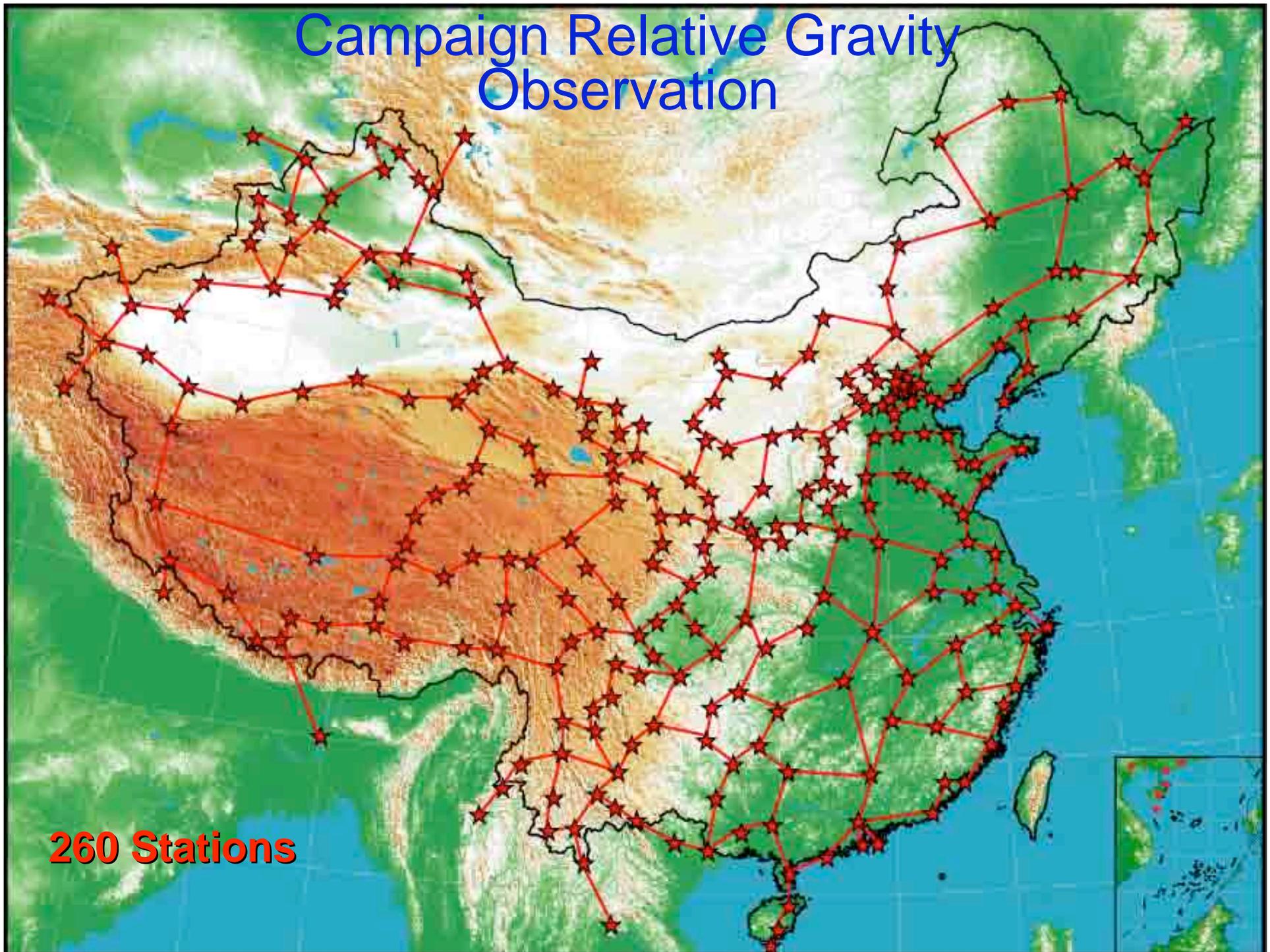
100 Stations

Permanent Relative Gravity Observation



30 Sites

Campaign Relative Gravity Observation



260 Stations



National GNSS Data Center

Data Collection



Main Center

台网监控

Station Monitoring

数据处理

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Information Release

科研平台

Scientific Research Platform

Sub Centers

Crustal Deformation

Surveying & Mapping

GNSS Meteorology

Space Weather Research

Education



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GPS Monuments in Phase I



CORS



Regional Station



CMONOC vs. PBO

PBO



CMONOC



CMONOC vs. PBO



CMONOC

PBO



CMONOC vs. PBO

PBO



CMONOC

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earth
scope San Simeon, CA

CMONOC vs. PBO

PBO



CMONOC

not appear in the original version - <http://www.clicktoconvert.com>



CMONOC vs. PBO

PBO



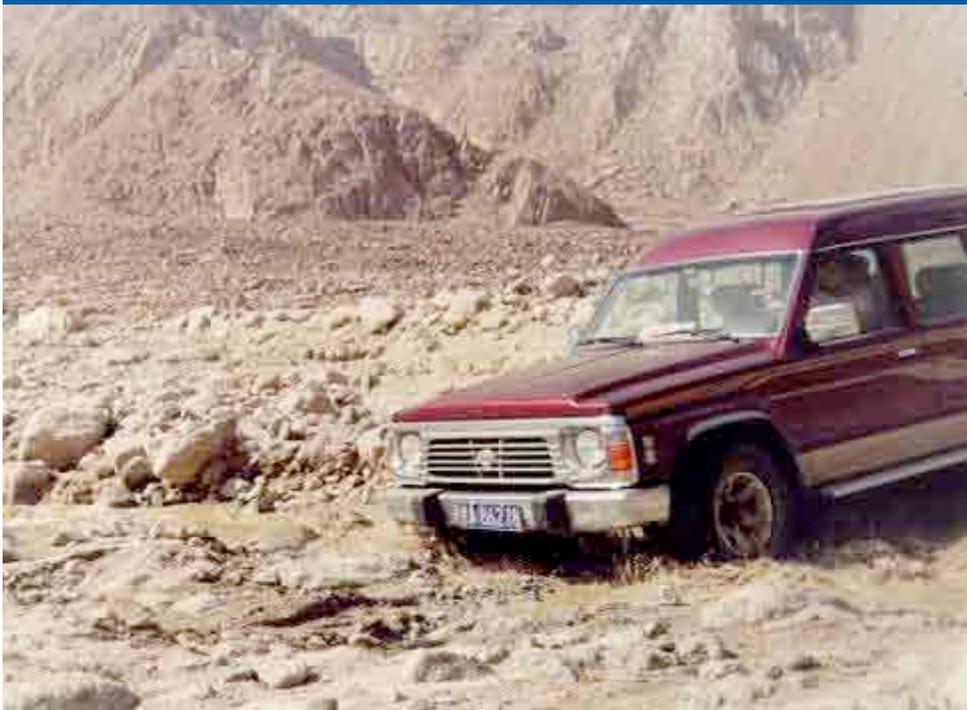
CMONOC

is the registered version - <http://www.clicktoconvert.com>

the Campaign GPS









Thanks!